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## TRANSMITTAL FORM

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Total Number of Pages in This Submission

Application Number	10/643,862
Filing Date	August 19, 2003
First Named Inventor	Michael J. Puglia
Art Unit	1723
Examiner Name	Tony Glen Soohoo
Attorney Docket Number	017191.0036

### ENCLOSURES (Check all that apply)

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| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input checked="" type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input type="checkbox"/> Reply to Missing Parts/<br>Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts<br>under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a<br>Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation<br>Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><br><input type="checkbox"/> Appeal Communication to Board<br>of Appeals and Interferences<br><br><input type="checkbox"/> Appeal Communication to TC<br>(Appeal Notice, Brief, Reply Brief)<br><br><input type="checkbox"/> Proprietary Information<br><br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify<br>below):<br>Acknowledgment postcard |
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Remarks

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name  
Kelley Drye & Warren LLP

Signature

Printed name  
Harold N. Wells

Date  
September 18, 2007

Reg. No. 26,044

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Response Under 37 CFR 1.116  
Expedited Procedure  
Examining Group 1723

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application Number. : 10/643,862                      Confirmation Number : 5515  
Applicants : Michael J. Pugia et al.  
Filed : August 19, 2003  
Title : Mixing In Microfluidic Devices  
Art Unit : 1723  
Examiner : Tony Glen Soohoo  
Docket Number : 017191.0036  
Customer Number : 47670

**AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION  
DATED August 8, 2007**

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9/18/07  
Date

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Signature

In response to the Final Office Action mailed August 8, 2007, please amend the above-identified application as follows:

**Amendments to the Claims** are reflected in the Listing of Claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 9 of this paper.